

DO
NOT
Enter
msg

Appl. No.: 10/076,727
Amdt. Dated: 10/3/2005
Off. Act. Dated: 8/3/2005

Amendments to the Claims

Claims 7-10, 14, 17, 19, and 20 have been amended to better point out the doped lipid bilayer nature of membranes in this Application. Support for these amendments are found *inter alia* at the last sentence of the Abstract, paragraph [0088], which states:

"The lipid bilayer membranes are doped with various lipids and/or proteins to modulate the adherence of the cells being used in the device."

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled) A micro-array device for determining adherence of selected cells contacting the device to a lipid membrane of the device, comprising:
 - a. an inert solid substrate;
 - b. a plurality of lipid membranes arrayed on said substrate in physically separate corrals defined by barriers on the substrate, each corral sized to contact a plurality of cells moving from corral to corral;
 - c. said lipid membranes forming, in each corral, a continuous, fluid sheet; and
 - d. dopant molecules, present within some but not all membrane sheets of the micro-array, each molecule movable within its sheet, said dopant molecules selected for cell adhesion properties that change the binding property of the lipid membrane towards the selected cell.
2. (Cancelled) The micro-array device of claim 1, wherein said dopant molecule is selected from the group consisting of:
 - a. lipids;
 - b. cell adhesion proteins of the immunoglobulin superfamily; and
 - c. selectins.